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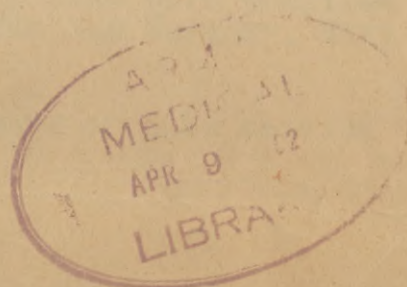
Germany (Territory under Allied Occupation, 1945—
" U.S. Zone) Office of the Naval Advisor

U. S. NAVAL FORCES, GERMANY
TECHNICAL SECTION (MEDICAL)

OPERATIONAL REPORT
FOR THE PERIOD

1 January 1949 - 31 December 1949

31 December 1949



This yearly report represents a supplement to the

Report of Operations of the 31st of March 1949 —
Foreword dtd 10 April 1949 to the Report of
Operations of the 31st of March 1949
Operational Report of the 30th of June 1949, and the
Resume on the Activities of this section of the
15th of October 1949.

It is prepared with the special view to the progress made with and the present status of the new World Atlas of Epidemiology, which is compiled by this section under the scientific editorship of Prof. Dr. med. Ernst RODENWALDT, Heidelberg.

The Technical Section (Medical), U. S. Naval Forces, Germany, operates in the Fourth Medical Laboratory Building, Heidelberg, where the members of this group are guests. The courtesies of the Commanding Officer of that unit, Colonel Rufus L. HOLT, MC, USA, in granting office space and his assistance in various other respects during the past year are greatly appreciated.

In scientific respects this section was supervised by Commander Harry J. ALVIS, MC, USN, until June 1949. This officer was Head, Technical Section (Medical), U. S. Naval Forces, Germany, until the latter part of June 1948, at which time he was ordered to return to the United States for reassignment. As of July 1949 the section received its directives from the Epidemiology Branch, Preventive Medicine Division, Bureau of Medicine and Surgery, Navy Department, Washington 25, D.C. In both cases this direction was in the main exercised by correspondence. Until the middle of October 1949 the administrative supervision was exercised by Captain N. W. ABRAHAMS, USN, then Senior U.S. Naval Liaison Officer, EUCOM Headquarters. After that date Captain H. E. DURYEA, USN, who relieved Captain N. W. Abrahams, USN, as Senior U. S. Naval Liaison Officer, EUCOM Headquarters, took care exclusively of the administrative problems of this unit, while Commander L. L. HAYNES, MC, USN, Medical Officer in Command, U. S. Naval Advanced Base, Bremerhaven, Germany, supervised the section as the representative of Commander, U.S. Naval Forces, Germany, as of 2 November 1949.

Until the end of June 1949 Commander Harry J. Alvis, MC, USN, was kept informed regularly about the activities of this section by letters. As of 1 July 1949 a log book was established for the section, copies of which with enclosures were forwarded regularly to the Epidemiology Branch, Preventive Medicine Division, BUMED, Navy Department, as well as to the Senior U.S. Naval Liaison Officer, EUCOM Headquarters, or Commander L. L. Haynes, MC, USN, respectively. Early in July 1949 a complete set of files with copies of all of the essential correspondence maintained up to that date with the scientists cooperating with this office were compiled and forwarded to the Bureau of Medicine and Surgery, Navy Department, Washington.

In the course of this year the work of this section was reviewed by personal visits of:

Rear Admiral C. J. BROWN, MC, USN, Assistant Chief
of Bureau for Research and Medical Military
Specialties on 22-IV-49

Rear Admiral C. A. SWANSON, MC, USN, Surgeon General
of the U. S. Navy on 11-VIII-49
and on 12-VIII-49

Captain J. M. BACHULUS, MC, USN, American
Embassy, London, England repeatedly

Commander J. M. AMBERSON, MC, USNR, and
Dr. E. SCHWARZ, Naval Medical School, Bethesda, on 19-VIII-49
Maryland and on 11-IX-49

Dr. A. R. TURNER, Chief, Medical Intelligence Branch,
Office of the Surgeon General of the U. S.
Army on 1-X-49
and on 11-X-49

Dr. C. H. BARLOW, Expert, Bilharzia Snail Destruction
Section, Ministry of Public Health, Cairo,
Egypt, on 7-IX-49
and on 12-IX-49

Dr. H. T. KARSNER, Medical Research Director,
Bureau of Medicine and Surgery, Navy Department, Washington 25, D.C. on 19-XI-49
and on 12-XII-49

According to the information obtained lately from Commander L. L. Haynes, MC, USN, it is expected that a full-time medical officer will be assigned to the Technical Unit (Medical), U. S. Naval Forces, Germany, in the early part of 1950.

Apart from the compilation of the World Atlas of Epidemiology, the following projects were left over from the year of 1948 and were continued as described or completed at the dates given below:

- (1) Translation of the article "The Marrow Nailing Method" by Professor Dr. med. G. KUENTSCHER, Schleswig-Holstein, consisting of about 450 single-spaced typewritten pages with approximately 500 illustrations:

Completed and mailed on 31 March 1949 with
letter P-3 (5), Serial 261-Med.

- (2) Preparation of Author Index, General Subject Index, and Geographic Index to the old Atlas of Epidemiology:

Completed and mailed on 7 April 1949 with
letter P 3-1(c), Serial 265-Med.

- (3) Reproduction of 13 sets of about 500 illustrations to the article by Professor Kuentscher mentioned above, required to illustrate the 13 unillustrated surplus copies of this translation, which were mailed to the Publications Division, Bureau of Medicine and Surgery, on 31 March 1949:

Completed and mailed on 9 December 1949.

- (4) Translation of the article "Experiences with Medullary Nailing of Fractures" by Dr. med. K. KATZ and Dr. med. J. WEIS, of the Surgical Clinic at Giessen (Head: Professor Dr. Fr. BERNHARD - deceased in December 1949):

The translation of subject article was edited by Commander Harry J. ALVIS, MC, USN, and was returned to this office in November 1949. The cutting of stencils has been started; it had to be interrupted, however, because of other, more important projects and was postponed repeatedly.

The compilation of a World Atlas of Epidemiology was started as of 1 January 1949. This project was originally authorized by the Bureau of Medicine and Surgery, Navy Department, Washington 25, D.C. In a conference in the latter part of October 1949 it was reviewed and declared as a joint project of the three Branches of the US Armed Forces under the Secretary of Defense.

In this connection some short comments on the background of the new Atlas of Epidemiology, presently under preparation, may be worthwhile mentioning:

In 1945 the US Navy under the direction of Commander Harry J. ALVIS, MC, USN, organized several translating units throughout Germany. These units translated current medical and military medical literature. One of the articles which was translated was a German military secret document called the "Seuchenatlas". This document had been compiled during the period of German expansion by General ZEISS and General RODENWALDT of the former German Army Medical Corps. A trained corps of personnel collected the data necessary for the compilation of the Atlas as the German armies progressed. The object of the research was to apply the principles of geo-medicine to military science. The history of past epidemics was accurately ascertained and maps showing the spread of the disease were analyzed in respect to density of population, geography, climate, fauna, and flora. As a result of these studies it became apparent that the progress and spread of epidemics could be predicted as well as the potential areas of disease could be outlined. On the basis of the old Atlas of Epidemiology some comments and suggestions were prepared in November 1948, which outlined the objectives of the new world Atlas of Epidemiology. The latter is to demonstrate not only the variable distribution and incidence of the epidemic diseases, but also the causative factors leading to variation in prevalence and being inherent in the geographic peculiarities of the respective area. Professor Rodenwaldt, who is at the present time Professor of Hygiene and Director of the Hygiene Institute of the University of Heidelberg was approached by the U.S. Navy in the early part of January 1949 and was requested to rewrite the "Seuchenatlas" and to extend its scope.

Through personal contact several additional copies of the old Seuchenatlas were procured during the current year and made available to the Medical Corps of the U.S. Navy and U.S. Army. A translation of the atlas was prepared and forwarded to the Bureau of Medicine and Surgery, and various other agencies interested, in September 1948.

In addition to the maps contained in the old Atlas of Epidemiology a limited number of the following 4 maps without texts of the 10th delivery were located in April 1949:

- "Malaria in the Near East"
- "Malaria in the Ukrainian Area"
- "Poliomyelitis in Wuerttemberg"
- "Amebic Dysentery in the Mediterranean Basin"

On the occasion of a personal visit of Professor Rodenwaldt and Dr. Bachmann in Berlin the 3 maps listed below were located through personal contacts of Dr. Bachmann on 21 July 1949:

- "Incidence of Epidemic Typhus throughout Eastern Europe"
- "Incidence of Malaria throughout Eastern Europe"
- "Historical Map of Plague for Eastern Europe"

Several copies of all of the above maps were prepared and made available to the Bureau of Medicine and Surgery, Navy Department.

In the course of the current year the scientists listed below were invited to prepare the following studies for the new World Atlas of Epidemiology:

Study	Author and place of residence	Invited on:	Co-author, place of residence	Special field
Ascariasis	Prof. Dr. C. SCHLIEPER, Marburg/Lahn, Germany	1 - IV - 49	none	
Bilharzial Molluscology	Dr. C. H. BARLOW, Cairo, Egypt	20 - IX - 49	none	
Brucellosis	Prof. Dr. H. HABS, Bardowick near Lüneburg, Germany	1 - IV - 49	none	
Chagas' Disease	Dr. E. DIAS, Belo Horizonte, Minas Gerais, Brazil	18 - X - 49	none	
Cholera	Prof. Dr. E. RODENWALDT, Heidelberg, Germany			
Diseases due to Anaerobic Micro-organisms	Prof. Dr. J. ZEISLER, Hamburg/Altona, Germany	9 - XII - 49	none	
Dysentery, Amebic	Prof. Dr. G. PIEKARSKI Bonn/Rhein, Germany	1 - IV - 49	Dozent Dr. A. WESTPHAL Hamburg, Germany	Protozoologist
Dysentery, Shiga	Dr. H. SEELLIGER, Bonn/Rhein, Germany	1 - IV - 49	none	
Fever, Sandfly	Prof. Dr. R. E. BADER, Heidelberg, Germany	1 - IV - 49	Dr. W. HENNIG, Berlin, Germany	Entomologist
Fever, Trench	Prof. Dr. F. V. BORMANN, Bad Nauheim, Germany	9 - XII - 49	none	
Fever, Typhoid in Europe	Prof. Dr. H. HABS, Bardowick near Lüneburg, Germany	1 - IV - 49	none	

Study	Author and place of residence	Invited on:	Co-author, place of residence	Special field
Fever, Typhoid and Seasons	Prof. Dr. H. HABS, Bardowick near Lüneburg, Germany	1 - IV - 49	none	
Fever, Yellow	Prof. Dr. R. E. BADER, Heidelberg, Germany	1 - IV - 49	Dr. E. ULMANN, Staufen, Breisgau, Germany	Entomologist
Frambesia (Yaws) and Pinta	Prof. Dr. C. HASSELMANN, Erlangen, Germany	5 - V - 49	none	
Hepatitis, Infectious	Dr. L. BACHMANN, Heidelberg, Germany	Member of Navy Group	none	
Influenza	Prof. Dr. K. BINGEL Heidelberg, Germany	1 - IV - 49	none	
Leishmaniasis	Prof. Dr. G. PIENARSKI Bonn/Rhein, Germany	1 - IV - 49	Dr. W. HENNIG, Berlin Germany	Entomologist
Leprosy	Dr. K. E. LITTANN, Heidelberg, Germany	1 - IV - 49	none	
Leptospirosis	Prof. Dr. W. RIMPAU, Munich-Solln, Germany	1 - IV - 49	Dr. I. KRUMBIEGEL, Wentorf near Hamburg, Germany	Zoologist
Malaria	Prof. Dr. E. RODENTWALDT Heidelberg, Germany	Editor-in-chief	Dr. E. ULMANN, Staufen, Breisgau, Germany	Entomologist
Opisthorchosis	Dozent Dr. A. ERHARDT Brackwede, Germany	1 - IV - 49	none	
Paratyphoid A	Prof. Dr. R. E. BADER Heidelberg, Germany	1 - IV - 49	none	
Paratyphoid C	Prof. Dr. R. E. BADER Heidelberg, Germany	1 - IV - 49	none	

Study	Author and place of residence	Invited on:	Co-author, place of residence	Special field
Plague	Dr. H. J. RAETIG, Berlin, Germany	20 - IX - 49	Prof. Dr. F. PEUS, Berlin, Germany Dr. K. ZIMMERMANN Berlin, Germany	Entomologist Zoologist
Poliomyelitis	Dr. W. DONLE, Munich, Germany	1 - IV - 49	none	
Rabies	Prof. Dr. E. BOECKER, Berlin, Germany	1 - IV - 49	none	
Scarlatina	Prof. Dr. K. BINGEL, Heidelberg, Germany	1 - IV - 49	none	
Smallpox	Dr. W. HENNEBERG, Berlin, Germany	20 - IX - 49	none	
Spironemae	Prof. Dr. E. MARTINI, Hamburg, Germany	1 - IV - 49	none	
Trachoma	Dr. R. SIEBECK, Heidelberg, Germany	20 - IX - 49	none	
Typhus, Epidemic and Endemic	Prof. Dr. F. V. BORLMANN, Bad Nauheim, Germany	1 - IV - 49	Dr. W. REICHMUTH, Celle/Hann, Germany	Entomologist
Density of Population	Prof. Dr. F. BURGDORFER, Munich, Germany	December-49	none	

In addition, personal inquiries in writing are pending to get the following studies prepared by the scientists listed below:

Study	Author	Co-author and special field
Climatology	Dr. FLOHN, Bad Kissin- gen, Germany	none
Dysentery, Sonnei	Dr. ROELCKE, Heidel- berg, Germany	none
Tularemia	Dr. H. J. JUSATZ, Berlin, Germany	Dr. K. GRELL, Bonn, Germany, Zoologist

Personal and verbal negotiations are pending to get the following studies prepared:

Diphtheria

Bilharziasis

The cartographic institute to be employed for the printing and binding of the new Atlas of Epidemiology could not be selected yet. The principal reason was the unavailability of funds. Information was obtained from Commander L. L. HAYNES, MC, USN, that the funds for this part of the project will be made available and that the final choice is to be made in the near future. After the contents, nature and the character of the basic printing plates can be determined more clearly now, new estimates of cost were requested from the following five cartographic institutes:

MUNDUS, Geographisch-Kartographische Anstalt, Hamburg, Germany
 RAVENSTEIN's Geographische Verlagsanstalt und Druckerei,
 Frankfurt, Germany
 VELHAGEN & KLASING, Verlagsbuchhandlung und Graphische Be-
 triebe, Bielefeld, Germany
 WENSCHOW, GMBH, Kartographische Anstalt, Munich, Germany,
 WESTERMANN, Druckerei und Kartographische Anstalt, Braun-
 schweig, Germany.

Every effort will be made to obtain sufficient information on the efficiency, reliability, prices, and location of these cartographic institutes, so that the suggestions for the final choice can definitely be made in the early part of 1950. It is felt here that these factors should be given careful consideration in order to eliminate every possibility of an interruption of the cartographic work which would have to be expected in the event that a change of the institute will have to take place for one reason or another while the atlas is in preparation.

Contacts were established with the Geographic Institute of the University of Heidelberg in order to clarify the various geographic and cartographic problems coming up almost daily.

A scientific work plan was prepared by Prof. Dr. E. RODENWALDT as well as an abstract of the article mentioned therein: "Grundlagen und Praxis der Seuchenstatistik" by RAETTIG und NEHLS. This material was distributed to all scientists invited to cooperate on 18 June 1949 or if the authors were invited at a later date, simultaneously with the official letter of invitation from this office.

Along with subject letter of invitation every scientist received 1 or 2 sets of the following maps:

- | | |
|--------------------------|----------------------------|
| (1) World | (6) Asia |
| (2) Europe and Near East | (7) Africa |
| (3) Central Europe | (8) North America |
| (4) Germany | (9) South America |
| (5) Russia | (10) Australia and Pacific |
| (11) China | |

These maps were printed by the National Geographic Society and were made available to this office either by the Office of the Theater Chief of Engineers, EUCOM Headquarters or by the U.S. Army Map Service, Washington. They will be used for the preparation of the preliminary drafts until such time as the maps to be used in the final atlas have been printed by a German cartographic institute to be selected and employed in connection with this project.

During the month of November 1949 every scientist cooperating in the Atlas project was furnished a copy of such maps and texts of the old Atlas of Epidemiology as are available for the same study he is working at now. This was done in order to eliminate every possibility of a duplication of work and efforts.

As regards the present status of the work in connection with the various studies the following information pertaining to the prospective dates of completion could be obtained so far on the studies listed below:

Disease	Author	Invited on	Maps projected	Projected Date of Completion	Maps completed or presently in preparation	Remarks with regard to Text
Ascariasis	Prof. Dr. C. SCHLIEPER, Marburg, Germany	1-IV-49	1 World 1 Europe	July 1950 May 1950		20 pr. pgs. w. 3-4 illustr.
Bilharzial Molluscology	Dr. C. H. BARLOW, Cairo, Egypt	20-IX-49	no forecast made as yet			
Brucellosis	Prof. Dr. H. HABS, Bardowick near Luenenburg, Germany	1-IV-49	1 World 1 Europe	Spring 1950 Spring 1950		10 typewritten pages
Chagas Disease	Dr. E. DIAS, Belo Horizonte, Minas Gerais, Brazil	18-X-49	1 South America 1 USA and Mexico		1 map with vectors in USA	
Cholera	Prof. Dr. RODENWALDT Heidelberg, Germany		1 World 1 Asia	Dec 1950 Dec 1950	Europe and North America in black-white.	
Diseases due to Anaerobic Microorganisms	Prof. Dr. J. ZEISSLER, Hamburg-Altona, Germany	9-XII-49	no forecast made as yet			
Dysentery, Amebic	Prof. Dr. G. PIKULESKI, Bonn/Rhein, Germany	1-IV-49	no forecast made as yet for lack of sources.			
Dysentery, Shiga	Dr. H. SELLIGER, Bonn/Rhein, Germany	1-IV-49	1 World 1 Europe 1 Centr. Europe 1 Asia 1 Africa 1 Australia and Oceania	July 1950 Feb 1950 completed in December 1949 July 1950 July 1950 July 1950		20 typewr. pgs.

Disease	Author	Invited on	Maps projected	Projected Date of Completion	Maps completed or presently in preparation	Remarks with regard to Text
Dysentery, Shiga	continued		1 South America 1 North America	July 1950 July 1950		
Fever, Sandfly	Prof. Dr. R. E. BADER, Heidelberg, Germany	1-IV-49	1 World	Dec 1950		
Fever, Trench	Prof. Dr. F. von BOHMANN, Bad Nauheim, Germany	9-XII-49	1 Europe rest cannot predict	Spring 1950		
Fever, Typhoid in Europe	Prof. Dr. H. HABES, Bardowick near Lueneburg, Germany	1-IV-49	2 Europe	completed November 1949		9 typewritten pages
Fever, Typhoid and Seasons	Prof. Dr. H. HABES Bardowick near Lueneburg, Germany	1-IV-49	1 World 1 Europe	Spring 1950) Spring 1950)		10 typewritten pages
Fever, Yellow	Prof. Dr. R. E. BADER, Heidelberg Germany	1-IV-49	1 Africa 1 South America incl. Centr. Am.	Summer 1950 Summer 1950		
Frambesia (Yaws) and Pinta	Prof. Dr. C. HASSELMANN, Erlangen Germany	5-V-49	1 Asia 1 Australia and Oceania 1 South America incl. Centr. Am. 1 Africa) 3 months after receipt of Tropical Diseases Bulletin.)))		
Hepatitis, Infectious	Dr. L. BACHMANN, Heidelberg, Germany	Jan 1949	1 World 2 Europe	April 1950 April 1950	Central Europe in black and white	50 typewritten pages
Influenza	Prof. Dr. K. BINGEL, Heidelberg, Germany	1-IV-49	1 World 1 Europe	Summer 1950) Summer 1950)		10 typewritten pages

Disease	Author	Invited on	Maps projected	Projected Date of Completion	Maps completed or presently in preparation	Remarks with regard to Text
Leishmaniasis	Prof. Dr. G. PIE-KARSKI, Bonn/Rhein, Germany	1-IV-49	no forecast made as yet for lack of sources			
Leprosy	Dr. K.E. LITTANN, Heidelberg, Germany	1-IV-49	1 World 1 Europe 1 Asia 1 Australia 1 Africa 1 North America 1 South America) May to Autumn 1950))))))		80-90 typewr. pages with illustr.indic. foci of epidemics.
Leptospirosis	Prof. Dr. W. RIMPAU, Munich-Solln, Germany	1-IV-49	1 World 1 Europe	Spring 1950) Spring 1950)		6 typewr.pgs. with 1 map of Bavaria
Malaria	Prof. Dr. E. RODEN-WALDT, Heidelberg, Germany		1 World 1 Europe not bef. Summer 1950 1 Africa 1 Asia 1 Russia 1 North America 1 South America			map on facultative malaric areas in Europe can be compl. until summer 1950
Opisthorchosis	Dr. A. ERHARDT, Brackwede, Germany	1-IV-49	1 Europe 1 Asiatic Russia 1 Far East	Dec 1949 Dec 1949 1951	compl. Nov. 49) compl. Nov. 49)	30 typewritten pages
Paratyphoid A	Prof. Dr. R.E. B. DER Heidelberg, Germany	1-IV-49	1 World 1 Europe	Summer 1950 Summer 1950		
Paratyphoid C	Prof. Dr. R.E. B. DER Heidelberg, Germany	1-IV-49	1 World 1 Europe	October 1950 October 1950		10 typewritten pages

Disease	Author	Invited on	Maps projected	Projected Date of Completion	Maps completed or presently in preparation	Remarks with regard to Text
Plague	Dr. H. J. RAETTIG, Berlin, Germany	20-IX-49	1 World 1 Africa 1 Asia 1 South America 1 North America 1 Australia and Oceania))))))) not before July 1950		60-80 typewr. pages
Poliomyelitis	Dr. W. DONLE, Munich, Germany	1-IV-49	1 World 1 Europe 1 North America	Spring 1950) Spring 1950)		about 30 type- written pages
Rabies	Prof. Dr. E. BOECKER, Berlin, Germany	1-IV-49	1 World 1 Europe 1 Africa 1 Australia and Oceania 1 Asia 1 North America 1 South America	Nov 1950 Nov 1950		20-30 typewr. pages
Scarlatina	Prof. Dr. K. BINGEL, Heidelberg, Germany	1-IV-49	1 World	April 1950		5 typewritten pages
Smallpox	Dr. W. HENNEBERG, Berlin, Germany	20-IX-49	cannot predict as yet			
Spironemae	Prof. E. MARTINI, Hamburg, Germany	1-IV-49	1 World 1 Western Hemisph. 1 Eastern Hemisph.	3-6 months af- ter receipt of literature.		32 printed pages

Disease	author	Invited on	Maps projected	Projected Date of Completion	Maps completed or presently in preparation	Remarks with regard to Text
Trachoma	Dr. R. SIEBECK, Heidelberg, Germany	20-IX-49	1 Europe) 1 Africa) 1 Mediterranean) Area)	3 months after receipt of literature		
Typhus, Epidemic and Endemic	Prof. F. von BORMANN, Bad Nauheim, Germany	1-IV-49	2 World) 1 Europe) 2 Centr. Europe) 1 North America) 1 South America) 1 Australia and Oceania) 1 Mediterranean) Area)	Autumn 1950		1 volume with special map of Poland
Density of Population	Prof. Dr. BURGDORFFER, Munich, Germany	Dec 1949	1 World 1 Europe and all other continents	Summer 1950 Summer 1950 cannot predict as yet		

As regards the presumable extent of the new Atlas of Epidemiology the following forecast can be given:

Study	World	Europe (incl. Medit. Littor.)	Centr. Europe	Asia	Africa	North America and Canada	U.S.A. Mexico	South America	Australia and Oceania	Europe and Middle East	Russia
Ascariasis	1	1									
Bilharzial Mol- uscology	no forecast	made as yet									
Brucellosis	1	1									
Chagas Disease											
Cholera	1			1				1			
Diseases due to anaerobic Microorganisms	no forecast	made as yet									
Dysentery, amebic	no forecast	made as yet									
Dysentery, Shiga	1	1	1	1	1	1		1		1	
Fever, Sandfly	1										
Fever, Trench		1	rest	cannot predict,							
Fever, Typhoid in Europe		2									
Fever, Typhoid and seasons	1	1									
Fever, Yellow											
Frambesia (Yaws) and Pinta				1	1			1	1		
Hepatitis Infectious	1	2									
Influenza	1	1									
Leishmaniasis	no forecast	made as yet									
Leprosy	1	1		1	1	1		1		1	
Leptospirosis	1	1									
Malaria	1	1		1	1	1		1		1	1
Opisthorchosis			1								1
Paratyphoid A	1	1									
Paratyphoid C	1	1									
Plague	1	1			1			1		1	
Polio-myelitis	1	1									
Rabies	1	1			1	1		1		1	
Scarlatina	1										
Smallpox	cannot predict,	was invited									
Spirochaeta	1				1	1		1		1	
Trachoma	1	1									
Typhus, Epidemic and Endemic	2	1	2			1		1		1	
Density of Population	1	1	1	1	1	1	1	1	1	1	1
Climatology	1	1	1	1	1	1	1	1	1	1	1
TOTAL:	22	22	5	10	11	10	3	12	8	8	4

It is pointed out, however, that the number of maps given in the above forecast might be subject to changes which will depend on the collaborating scientists.

In addition, emphasis is placed on the fact that the scientists will have to be assisted considerably in the procurement of literature and other scientific material if they are expected to keep up with their statements pertaining to the prospective dates of completion.

Between October and December 1949 the following symbols for use in the preliminary drafts were developed and can now be made available in unlimited numbers to all authors cooperating:

Steamer, sail-boat, river-boat, fish, cat, dog, man, rodent's skull, horse, cattle, sheep, goat, pig.

Funds to continue the operation of this section for the Fiscal Year 1951, beginning 1 April 1950, have been approved and will come from the German Cost of Occupation. It is anticipated that the funds required for the printing of the atlas will also be made available during the year of 1950. The sale of copies of the completed atlas will cover the costs of printing and binding.

The literature problem was approached as follows: Lists of literature desired were requested from all authors; whatever literature available in Germany was procured and reproduced photographically, whereas the remaining literature was requested from the Bureau of Medicine and Surgery, Navy Department, Washington 25, D.C.

Contact was also established with the Library of the University of Heidelberg in order to procure whatever might be available of the literature requested by the scientists cooperating and to prepare orders from the AML with the help of the AML Index Catalogue on hand there.

The speed with which the project will be completed is at this time wholly dependent upon the acquisition of the required medical literature. The various agencies of the Government Service have been most cooperative and this office has received helpful cooperation from the various agencies contacted. There is, however, a great need for much literature and the unit has no funds to purchase what they desire inside of Germany, having to rely upon the cooperation of the U.S. Navy and the U.S. Army Medical Library. The U.S. Army Medical Library, Washington, has been obtaining and making photostatic copies of articles requested by this unit and their cooperation has speeded the completion of the project.

The literature received to date has been carefully reviewed and catalogued and a working system of circulation among the authors has been established. Those periodicals received which have no bearing upon the project will be turned over to the Heidelberg University Library which is badly in need of foreign medical literature and has done much to foster good will.

The various German Universities realizing the great value of this project and in respect to the fine reputation and standing of Prof. Rodenwaldt have been most cooperative in lending their every aid and assistance.

At the present time this office is the only source of scientific information to this group of German scientists,

particularly to those cooperators who are living in the eastern zones.

The World Health Organization has cooperated in giving this section back issues of all publications requested with very few exceptions and has placed this unit on the mailing list for current epidemiological and vital statistics reports.

Most of the German medical periodicals requested by the various cooperators are available either at the University Library or at the Library of one of the University Institutes, such as the Institute of Hygiene. So far it was possible to fill all requests for German articles, the latest being that of Dr. E. DIAS, Minas Gerais, Brazil, who was sent photoprints of all of the German articles he requested.

It will frequently be necessary to procure tear sheets or relevant publications. Information was requested repeatedly as to whether or not these tear sheets can be procured through Navy channels. In the event that this should be impossible it would be greatly appreciated if the addresses of the most prominent epidemiologists in the US could be furnished this office. The establishment of a close contact between this office and American epidemiologists would be most desirable. For this reason it would be appreciated if arrangements could be made that American scientists, working in the same general field contact Prof. Rodenwaldt through this office whenever they are on duty in this country.

On 18 October 1949 all scientists cooperating were informed about studies under preparation and the names and addresses of the authors cooperating. An exchange of literature among themselves is being actually carried out and as a result the project has succeeded in welding together in a common project the leaders in the field of epidemiology in Germany.

Attempts to secure literature from Spain, Italy, Russia, Yugoslavia, Greece, and Turkey have often met with failure. In several of these countries contacts are being established with American military personnel stationed there and it is hoped that these efforts will bear fruit. Should such attempts fail, it will be necessary to obtain such literature through the World Health Organization and other sources. The problem of literature on areas under Russian influence requires separate and delicate handling and all channels are being exploited to the utmost.

The photolab which is part of this unit works constantly on the reproduction and microfilming of articles requested by the collaborating scientists. In December 1949 microfilms of the Monthly Epidemiological Reports of the former League of Nations for the years 1932 to 1939 were taken. Photoprints cannot be prepared as yet, however, because of a shortage of photographic paper and chemicals. A request for photographic paper was forwarded to BUMED on 25 November 1949. In addition efforts are being made to procure photographic supplies through the Supply Officer, USNAB, Bremerhaven/Germany and from the Chief, Signal Division, EUCOM Hdqtrs., U. S. Army.

The following problems are pending at present and are being worked at with whatever means are available to this office:

The addresses of physicians and members of the Medical Corps of the former German Armed Forces are desired for the purpose of a personal approach to obtain statistics and information which they have. These addresses are being obtained from the discharge centers for former PW's and many good contacts are obtained as a result of personal correspondence between the various collaborators of the project. This method is particularly fruitful in obtaining information about conditions within those countries under Russian influence. For example, information on the evacuation of entire strata of population from civilized to uncivilized areas and vice versa behind the iron curtain has been requested, and such information is slowly being accumulated.

Various attempts and inquiries are being made to obtain information on the present location of the various reports and statistics of the former German Armed Forces, of the Central Archive for Military Medicine, and of the Military Medical Academy, Berlin.

In summary the project has reached the stage where the European volume will be ready for publication towards the end of the year 1950. Great strides have been made in welding together this group of epidemiologists and in disseminating medical literature to them and their associates. The project is well known throughout Germany and many have voluntarily expressed their gratitude to Prof. Rodenwaldt and his sponsors for the opportunity to once again take part in a constructive piece of work and to once again be able to have the opportunity to give the world the energy and skill they possess.

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